# CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

Lab No: CQCE/BBMP/NMK/17/2020-2021

Date: 17.04.2021

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : Executive Engineer, RR Nagar Division,BBMP, Bangalore. |
| Agency | : Sri. N M Krishnamurthy, Contractor, Bangalore. |
| Name of the work | Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13) |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 20.03.2021 | 17.04.2021 | 8.069 | 532.2 | 23.65 |
| 2 | 20.03.2021 | 17.04.2021 | 8.022 | 504.1 | 22.40 |
| 3 | 20.03.2021 | 17.04.2021 | 8.145 | 528.1 | 23.47 |

Note:

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Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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JAS-ANZ

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Date: 19.04.2021

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| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.03.2021 | 19.04.2021 | 8.145 | 530.2 | 23.56 |
| 2 | 22.03.2021 | 19.04.2021 | 8.036 | 514.4 | 22.86 |
| 3 | 22.03.2021 | 19.04.2021 | 8.009 | 518.1 | 23.03 |

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| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.03.2021 | 19.04.2021 | 8.022 | 532.2 | 23.65 |
| 2 | 22.03.2021 | 19.04.2021 | 8.145 | 504.1 | 22.40 |
| 3 | 22.03.2021 | 19.04.2021 | 8.036 | 519.9 | 23.11 |

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| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.03.2021 | 19.04.2021 | 8.033 | 532.2 | 23.65 |
| 2 | 22.03.2021 | 19.04.2021 | 8.145 | 504.4 | 22.42 |
| 3 | 22.03.2021 | 19.04.2021 | 8.025 | 514.9 | 22.88 |

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| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.03.2021 | 19.04.2021 | 8.032 | 503.3 | 22.37 |
| 2 | 22.03.2021 | 19.04.2021 | 8.001 | 512.2 | 22.76 |
| 3 | 22.03.2021 | 19.04.2021 | 8.169 | 509.9 | 22.66 |

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| Sample ID | : Cement Concrete |
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| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 25.03.2021 | 22.04.2021 | 8.012 | 532.2 | 23.65 |
| 2 | 25.03.2021 | 22.04.2021 | 8.030 | 504.4 | 22.42 |
| 3 | 25.03.2021 | 22.04.2021 | 8.165 | 517.1 | 22.98 |

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| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 25.03.2021 | 22.04.2021 | 8.169 | 503.3 | 22.37 |
| 2 | 25.03.2021 | 22.04.2021 | 8.063 | 512.2 | 22.76 |
| 3 | 25.03.2021 | 22.04.2021 | 8.021 | 507.1 | 22.54 |

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| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 25.03.2021 | 22.04.2021 | 8.154 | 526.6 | 23.40 |
| 2 | 25.03.2021 | 22.04.2021 | 8.063 | 501.1 | 22.27 |
| 3 | 25.03.2021 | 22.04.2021 | 8.011 | 496.6 | 22.07 |

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| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 25.03.2021 | 22.04.2021 | 8.032 | 532.2 | 23.65 |
| 2 | 25.03.2021 | 22.04.2021 | 8.021 | 504.1 | 22.40 |
| 3 | 25.03.2021 | 22.04.2021 | 8.096 | 519.9 | 23.11 |

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| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 26.03.2021 | 23.04.2021 | 8.033 | 532.2 | 23.65 |
| 2 | 26.03.2021 | 23.04.2021 | 8.154 | 514.4 | 22.86 |
| 3 | 26.03.2021 | 23.04.2021 | 8.096 | 508.1 | 22.58 |

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| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 26.03.2021 | 23.04.2021 | 8.056 | 506.6 | 22.52 |
| 2 | 26.03.2021 | 23.04.2021 | 8.096 | 521.1 | 23.16 |
| 3 | 26.03.2021 | 23.04.2021 | 8.032 | 519.9 | 23.11 |

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| **Agency** | : **Sri. N M Krishnamurthy,** Contractor, Bangalore. |
| **Name of the work** | Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13) |
| **Sample ID** | : Cement Concrete |
| **Size of cubes** | : 150mmx150mmx150mm |
| **Cross Sectional Area** | : 22500 $mm^2$ |
| **Technical Reference** | : IS: 516-1959 (Reaffirmed 2008) |
| **Grade of Concrete** | : $M_{20}$ |
| **Compressive Strength as on** | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 26.03.2021 | 23.04.2021 | 8.155 | 505.5 | 22.47 |
| 2 | 26.03.2021 | 23.04.2021 | 8.033 | 514.4 | 22.86 |
| 3 | 26.03.2021 | 23.04.2021 | 8.089 | 513.3 | 22.81 |

*Note:*

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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# CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

Job No.: CQCE/BBMP/NMK/17/2020-2021

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 23.04.2021

| | |
|---|---|
| *Client* | : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore. |
| *Agency* | : **Sri. N M Krishnamurthy,** Contractor, Bangalore. |
| *Name of the work* | Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13) |
| *Sample ID* | : Cement Concrete |
| *Size of cubes* | : 150mmx150mmx150mm |
| *Cross Sectional Area* | : 22500 $mm^2$ |
| *Technical Reference* | : IS: 516-1959 (Reaffirmed 2008) |
| *Grade of Concrete* | : $M_{20}$ |
| *Compressive Strength as on* | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 26.03.2021 | 23.04.2021 | 8.005 | 532.2 | 23.65 |
| 2 | 26.03.2021 | 23.04.2021 | 8.163 | 504.4 | 22.42 |
| 3 | 26.03.2021 | 23.04.2021 | 8.096 | 514.1 | 22.85 |

Note:

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Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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JAS-ANZ

Job No: CQCE/BBMP/NMK/17/2020-2021

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 24.02.2021

| | |
|---|---|
| Client | : Executive Engineer, RR Nagar Division,BBMP, Bangalore. |
| Agency | : Sri. N M Krishnamurthy, Contractor, Bangalore. |
| Name of the work | Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13) |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 27.03.2021 | 24.02.2021 | 8.032 | 506.6 | 22.52 |
| 2 | 27.03.2021 | 24.02.2021 | 8.154 | 532.2 | 23.65 |
| 3 | 27.03.2021 | 24.02.2021 | 8.065 | 501.1 | 22.27 |

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Job No: CQCE/BBMP/NMK/17/2020-2021

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 24.02.2021

| | |
|---|---|
| Client | : Executive Engineer, RR Nagar Division,BBMP, Bangalore. |
| Agency | : Sri. N M Krishnamurthy, Contractor, Bangalore. |
| Name of the work | Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13) |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{20}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 27.03.2021 | 24.02.2021 | 8.145 | 529.9 | 23.55 |
| 2 | 27.03.2021 | 24.02.2021 | 8.096 | 530.2 | 23.56 |
| 3 | 27.03.2021 | 24.02.2021 | 8.025 | 512.2 | 22.76 |

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